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P. 01

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FACSIMILE COVER SHEET

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FROM: Jeff Lloyd 

DATE: June 4, 2004

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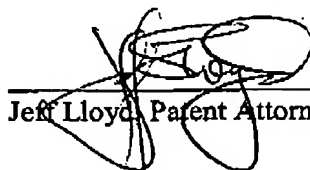
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4 JUNE 2004


Jeff Lloyd, Patent Attorney

REQUEST FOR CORRECTED
FILING RECEIPT
Patent Application
Examining Group 1638
Docket No. UF-155CD3
Serial No. 10/627,886
Confirmation No. 5539

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Art Unit : 1638
Applicants : Robert R. Schmidt, Philip Miller
Serial No. : 10/627,886
Conf. No. : 5539
Filed : July 24, 2003
For : Novel Polypeptides and Polynucleotides Relating to the Alpha- and Beta-
Subunits of Glutamate Dehydrogenases and Methods of Use

Office of Initial Patent Examination
Filing Receipt Corrections
P.O. Box 1450
Alexandria, VA 22313-1450

REQUEST FOR CORRECTED FILING RECEIPT

Sir:

Applicants respectfully request the correction of an error in the Official Filing Receipt for the
application identified above. The continuing data as claimed by Applicants should read as follows:

This application is a CON of	09/070,844	05/01/1998	ABN
Which is a DIV of	08/725,596	10/03/1996	ABN
Which is a CIP of	08/541,033	10/06/1995	5,879,941

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Docket No. UF-155CD3
Serial No. 10/627,886

Accordingly, please amend the Official Filing Receipt to recite the continuing data claimed above and provide the undersigned representative with a corrected Official Filing Receipt. A redlined copy of the Filing Receipt as received from the U.S. Patent and Trademark Office, a copy of the first page of the specification as filed, and newly executed Declarations/Powers of Attorney forms accompany this request.

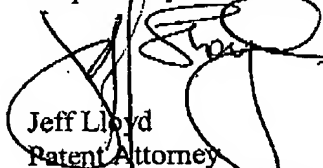
Please also note updated inventor address information on the Declarations/Powers of Attorney documents and update the Official Filing Receipt accordingly.

No fees are believed due in connection with this request. However, should fees be found to be due in respect thereof, the Assistant Commissioner for Patents is hereby authorized to charge such fee or fees to counsel's Deposit Account No. 19-0065.

If any further information or documentation is required in order to accede to this request for a corrected Filing Receipt, the Office is respectfully requested to contact the undersigned by telephone at (352) 375-8100.

Thank you for your attention to these matters.

Respectfully submitted,



Jeff Lloyd
Patent Attorney

Registration No. 35,589

Phone No.: 352-375-8100

Fax No.: 352-372-5800

Address : 2421 N.W. 41st Street, Suite A-1
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JL/ehm

Attachments: Redlined copy of Official Filing Receipt (2 pages)
Copy of Page One of Specification as filed (1 page)
Newly executed Declarations/Powers of Attorney (2) (6 pages)

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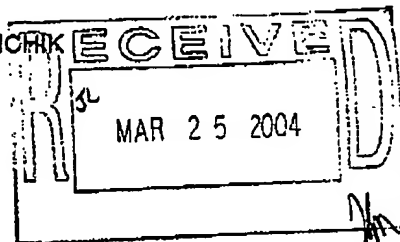
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APPL NO.	FILING OR 371 (c) DATE	ART UNIT	FIL FEE REC'D	ATTY. DOCKET NO	DRAWINGS	TOT CLMS	IND CLMS
10/627,886	07/24/2003	1638	1080	UF-155CD3	2	29	5

CONFIRMATION NO. 5539

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FILING RECEIPT



OC000000012149070

Date Mailed: 03/22/2004

Receipt is acknowledged of this regular Patent Application. It will be considered in its order and you will be notified as to the results of the examination. Be sure to provide the U.S. APPLICATION NUMBER, FILING DATE, NAME OF APPLICANT, and TITLE OF INVENTION when inquiring about this application. Fees transmitted by check or draft are subject to collection. Please verify the accuracy of the data presented on this receipt. If an error is noted on this Filing Receipt, please write to the Office of Initial Patent Examination's Filing Receipt Corrections, facsimile number 703-746-9195. Please provide a copy of this Filing Receipt with the changes noted thereon. If you received a "Notice to File Missing Parts" for this application, please submit any corrections to this Filing Receipt with your reply to the Notice. When the USPTO processes the reply to the Notice, the USPTO will generate another Filing Receipt incorporating the requested corrections (if appropriate).

Applicant(s)

Blacksburg, VA
Robert R. Schmidt, Gainesville, FL;
Philip Miller, Ballwin, MO;
Salem, CT

Domestic Priority data as claimed by applicant

This application is a CON of 09/070,844 05/01/1998 ABN
which is a DIV of 08/725,596 10/03/1996 ABN
which is a CIP of 08/541,033 10/06/1995 S, 879,941

Foreign Applications

COPY

If Required, Foreign Filing License Granted: 03/19/2004

Projected Publication Date: 07/01/2004

Non-Publication Request: No

Early Publication Request: No

Title

Novel polypeptides and polynucleotides relating to the alpha- and beta-subunits of glutamate dehydrogenases and methods of use

Preliminary Class
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Title 35, United States Code, Section 184
Title 37, Code of Federal Regulations, 5.11 & 5.15**

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UF-155CD3

DESCRIPTION

NOVEL POLYPEPTIDES AND POLYNUCLEOTIDES
RELATING TO THE α - AND β -SUBUNITS OF GLUTAMATE
DEHYDROGENASES AND METHODS OF USE

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This invention was made with government support under USDA Competitive Grant Number 87-CRCR-1-2476. The government has certain rights in this invention.

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Cross-Reference to a Related Application

This application is a continuation application of co-pending application Serial No. 09/070,844, filed May 1, 1998 which is a divisional application of co-pending application Serial No. 08/725,596, filed October 3, 1996 (now abandoned), which is a continuation-in-part of co-pending application Serial No. 08/541,033, filed October 6, 1995 (now U.S. Patent No. 5,879,941, issued March 9, 1999).

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Background of the Invention

Inorganic nitrogen acquired by plants is ultimately converted to ammonium before being assimilated in organic nitrogen metabolism. One enzyme postulated to be involved in the assimilatory process is glutamate dehydrogenase (GDH), a group of ubiquitous enzymes found to be present in almost all organisms from microbes to higher plants and animals (Srivastava, H.S., R.P. Singh [1987] *Phytochem.* 26:597-610). GDH catalyses the reversible conversion of α -ketoglutarate to glutamate via a reductive amination that utilizes reduced β -nicotinamide adenine dinucleotide (NADH) or reduced β -nicotinamide adenine dinucleotide phosphate (NADPH) as a cofactor. The role of plant GDHs in the assimilation of ammonium into amino acids has been questioned since the discovery of the glutamine synthetase/glutamate synthase (GS/GOGAT) pathway that is believed to be the favored pathway for ammonium assimilation in higher plants (Mifflin, B.J., P.J. Lea [1976] *Phytochem.* 15:873-885).

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